



**CITY OF LODI  
COUNCIL COMMUNICATION**

**AGENDA TITLE:** Adopt resolution awarding the purchase of polemount and padmount transformers (\$52,519.51) (EUD)

**MEETING DATE:** December 15, 2004

**PREPARED BY:** Electric Utility Director

**RECOMMENDED ACTION:** That the City Council adopt a resolution awarding the bids for the purchase of polemount and padmount transformers to the bidders whose proposals and equipment meet City of Lodi specifications, and whose transformers are expected to yield the lowest overall life-cycle costs:

Polemounts:	15 ea 25kVA	GE Supply Co, North Highlands	\$ 9,261.11
Padmounts:	2 ea 112.5 kVA	Wesco Distribution, San Leandro	\$ 8,229.95
	4 ea 150kVA	Wesco Distribution, San Leandro	\$16,696.94
	3 ea 300kVA	Western States Electric, Portland, OR	<u>\$18,331.51</u>
			<u>\$52,519.51</u>

**BACKGROUND INFORMATION:** On May 21, 2003, the City Council authorized the Electric Utility Department and the Purchasing Division to advertise for bids as necessary to meet the Electric Utility Department's requirements for polemount and padmount transformers through the fiscal year ending June 30, 2005.

On November 24, 2004 bids were opened for two sizes of polemount and three sizes of padmount transformers, and life-cycle costs were evaluated. (Life-cycle costs are the combined total of purchase price plus cost of operation based on estimated power loss during the projected life of the transformer.) Proposals are also evaluated on the basis of compliance with equipment and bid specifications. Failure to comply with both may lead to disqualification of the bid. A summary of the bid evaluation is attached as Exhibit A.. Staff recommends awarding only one size of polemount transformer, the 25kVA units to GE Supply Company, at this time. Staff anticipates returning to Council on January 5, 2005 with a recommendation for the 37.5kVA units.

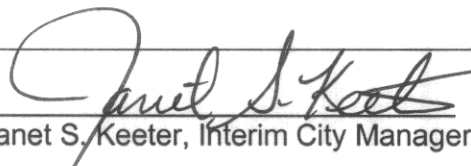
Some of the transformers are planned for use in a commercial development on Auto Center Drive, the Meridian development on Kettleman Lane, and for individual building pads in the Lowe's Center. The balance of the order will be used to replenish inventory of replacement units.

**FUNDING:** Electric Utility Department 2003-2005 Financial Plan and Budget, Line Extensions, Business Unit #161651, Page E-41

  
James R. Krueger, Finance Director

  
Alan N. Vallow, Electric Utility Director

Attachment: Exhibit A  
Prepared by Joel Harris, Purchasing Officer  
cc: EUD Electrical Engineer

**APPROVED:**   
Janet S. Keeter, Interim City Manager

**Transformer Bid Evaluation**

**Bid Opening:** November 24, 2004

**Polemount**

November 24, 2004

Tax (factor): 1.0775  
No Load Loss \$/watt: 3.75  
Load Loss \$/watt: 1.25

**Primary Winding:** 12,000 Volt Line-to-Line

**Bid Item 1: 25kVA, 120/240 Volt, Single Phase Conventional Pole**

Number of units: 15 45 500

Vendor	Unit Price \$	Extended Price \$	Price w/tax \$	No Load Loss (watts)	Load Loss (watts)	No Load Loss value	Load Loss value	Cost of Losses \$	Life Cycle Cost \$	Delivery (weeks)	Height (inches)	Weight (pounds)
<b>GE Supply</b>	573.00	8,595.00	<b>9,261.11</b>	56	309	3,150.00	5,793.75	8,943.75	<b>18,204.86</b>	14	22	361
Kuhlman Electric c/o Sierra Sales	610.00	9,150.00	<b>9,859.13</b>	65	256	3,656.25	4,800.00	8,456.25	<b>18,315.38</b>	8-10	32	394
Howard Industries, Inc.	603.00	9,045.00	<b>9,745.99</b>	65	269	3,656.25	5,043.75	8,700.00	<b>18,445.99</b>	10-12	32	383
WESCO Distribution, Inc.	542.00	8,130.00	<b>8,760.08</b>	63	346	3,543.75	6,487.50	10,031.25	<b>18,791.33</b>	8-10	38	317
Central Moloney, Inc. c/o Stephens, McCarthy, Lancaster	632.00	9,480.00	<b>10,214.70</b>	63	288	3,543.75	5,400.00	8,943.75	<b>19,158.45</b>	16	36	401
Western States Electric, Inc.	644.00	9,660.00	<b>10,408.65</b>	61	288	3,431.25	5,400.00	8,831.25	<b>19,239.90</b>	11-13	37	379
General Pacific, Inc.	744.87	11,173.05	<b>12,038.96</b>	61	237	3,431.25	4,443.75	7,875.00	<b>19,913.96</b>	10-12	41	489

**Bid Item 2: 37.5kVA, 120/240 Volt, Single Phase Conventional Pole**

Number of units: 10 48 625

*(Item 2 will be recommended for award on January 5, 2005)*

Vendor	Unit Price \$	Extended Price \$	Price w/tax \$	No Load Loss (watts)	Load Loss (watts)	No Load Loss value	Load Loss value	Cost of Losses \$	Life Cycle Cost \$	Delivery (weeks)	Height (inches)	Weight (pounds)
<b>Kuhlman Electric c/o Sierra Sales</b>	739.00	7,390.00	<b>7,962.73</b>	98	333	3,675.00	4,162.50	7,837.50	<b>15,800.23</b>	8-10	32	494
Howard Industries, Inc.	758.00	7,580.00	<b>8,167.45</b>	93	340	3,487.50	4,250.00	7,737.50	<b>15,904.95</b>	10-12	36	480
Western States Electric, Inc.	716.00	7,160.00	<b>7,714.90</b>	82	414	3,075.00	5,175.00	8,250.00	<b>15,964.90</b>	11-13	37	448
Central Moloney, Inc. c/o Stephens, McCarthy, Lancaster	751.00	7,510.00	<b>8,092.03</b>	92	364	3,450.00	4,550.00	8,000.00	<b>16,092.03</b>	14	38	486
GE Supply	860.00	8,600.00	<b>9,266.50</b>	77	335	2,887.50	4,187.50	7,075.00	<b>16,341.50</b>	14	23	497
General Pacific, Inc.	859.14	8,591.40	<b>9,257.23</b>	78	338	2,925.00	4,225.00	7,150.00	<b>16,407.23</b>	10-12	41	567
WESCO Distribution, Inc.	718.00	7,180.00	<b>7,736.45</b>	98	443	3,675.00	5,537.50	9,212.50	<b>16,948.95</b>	8-10	38	449

## Transformer Bid Evaluation

**Bid Opening:** November 24, 2004

### Padmount

November 24, 2004

Tax (factor): 1.0775  
No Load Loss \$/watt: 3.75  
Load Loss \$/watt: 1.25

**Primary Winding:** 12,000 Volt, Delta Connected

#### Bid Item 1: 112.5 kVA, 208Y/120 Volt, Three Phase Pad

Number of units: 2 65 >2.0

Vendor	Unit Price \$	Extended Price \$	Price w/tax \$	No Load Loss (watts)	Load Loss (watts)	No Load Loss value	Load Loss value	Cost of Losses \$	Life Cycle Cost \$	Delivery (weeks)	Height (inches)	Impedance %
<b>WESCO Distribution</b>	3,819.00	7,638.00	<b>8,229.95</b>	289	837	2,167.50	2,092.50	4,260.00	<b>12,489.95</b>	12-14	44	2.620
Howard Industries, Inc.	3,603.00	7,206.00	<b>7,764.47</b>	247	1242	1,852.50	3,105.00	4,957.50	<b>12,721.97</b>	7-9	45	2.300
Western States Electric, Inc.	4,149.00	8,298.00	<b>8,941.10</b>	251	946	1,882.50	2,365.00	4,247.50	<b>13,188.60</b>	11-13	50	3.950
G E Supply	4,170.00	8,340.00	<b>8,986.35</b>	257	1116	1,927.50	2,790.00	4,717.50	<b>13,703.85</b>	15	48	2.940
General Pacific Inc.	4,340.78	8,681.56	<b>9,354.38</b>	233	1055	1,747.50	2,637.50	4,385.00	<b>13,739.38</b>	12-14	49	3.300
Central Moloney, Inc. (c/o Stephens, Mc...	7,014.00	14,028.00	<b>15,115.17</b>	170	1248	1,275.00	3,120.00	4,395.00	<b>19,510.17</b>	16	65	2.110

#### Bid Item 2: 150 kVA, 208Y/120 Volt, Three Phase Pad,

Number of units: 4 65 >2.0

Vendor	Unit Price \$	Extended Price \$	Price w/tax \$	No Load Loss (watts)	Load Loss (watts)	No Load Loss value	Load Loss value	Cost of Losses \$	Life Cycle Cost \$	Delivery (weeks)	Height (inches)	Impedance %
<b>WESCO Distribution</b>	3,874.00	15,496.00	<b>16,696.94</b>	289	1500	4,335.00	7,500.00	11,835.00	<b>28,531.94</b>	12-14	48	3.650
Howard Industries, Inc.	3,992.00	15,968.00	<b>17,205.52</b>	256	1629	3,840.00	8,145.00	11,985.00	<b>29,190.52</b>	7-9	49	2.300
Western States Electric, Inc.	4,383.00	17,532.00	<b>18,890.73</b>	325	1205	4,875.00	6,025.00	10,900.00	<b>29,790.73</b>	11-13	50	3.130
General Pacific Inc.	4,624.23	18,496.92	<b>19,930.43</b>	324	1223	4,860.00	6,115.00	10,975.00	<b>30,905.43</b>	12-14	49	3.500
G E Supply	4,569.00	18,276.00	<b>19,692.39</b>	287	1398	4,305.00	6,990.00	11,295.00	<b>30,987.39</b>	15	51	3.410
Central Moloney, Inc. (c/o Stephens, Mc...	7,077.00	28,308.00	<b>30,501.87</b>	252	1527	3,780.00	7,635.00	11,415.00	<b>41,916.87</b>	16	65	2.020

**Transformer Bid Evaluation**

**Bid Opening:** November 24, 2004

**Padmount**

November 24, 2004

Tax (factor): 1.0775  
 No Load Loss \$/watt: 3.75  
 Load Loss \$/watt: 1.25

**Primary Winding:** 12,000 Volt, Delta Connected

Bid Item 3: 300 kVA, 208/120 Volt, Three Phase Pad,								Number of units:	3		65	>3.5
Vendor	Unit Price \$	Extended Price \$	Price w/tax \$	No Load Loss (watts)	Load Loss (watts)	No Load Loss value	Load Loss value	Cost of Losses \$	Life Cycle Cost \$	Delivery (weeks)	Height (inches)	Impedance %
Western States Electric, Inc.	5,671.00	17,013.00	18,331.51	537	2111	6,041.25	7,916.25	13,957.50	32,289.01	11-13	50	4.190
Howard Industries, Inc.	5,792.00	17,376.00	18,722.64	530	2157	5,962.50	8,088.75	14,051.25	32,773.89	7-9	55	3.800
WESCO Distribution	5,248.00	15,744.00	16,964.16	475	3067	5,343.75	11,501.25	16,845.00	33,809.16	12-14	44	4.390
General Pacific Inc.	6,294.83	18,884.49	20,348.04	522	2187	5,872.50	8,201.25	14,073.75	34,421.79	12-14	49	4.100
G E Supply	6,206.00	18,618.00	20,060.90	610	2831	6,862.50	10,616.25	17,478.75	37,539.65	15	55	3.640
Central Moloney, Inc. (c/o Stephens, Mc...	8,328.00	24,984.00	26,920.26	320	3930	3,600.00	14,737.50	18,337.50	45,257.76	16	59	3.500

RESOLUTION NO. 2004-273

A RESOLUTION OF THE LODI CITY COUNCIL  
AWARDING THE BIDS FOR THE PURCHASE OF  
POLEMOUNT AND PADMOUNT TRANSFORMERS

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WHEREAS, in answer to notice duly published in accordance with law and the order of this City Council, sealed bids were received and publicly opened on November 24, 2004, at 11:00 a.m. for the purchase of polemount and padmount transformers for the Electric Utility Department, described in the specifications therefore approved by the City Council on May 21, 2003; and

WHEREAS, said bids have been compared, checked, and tabulated and a report thereof filed with the City Manager as shown on Exhibit A attached; and

WHEREAS, the City Manager recommends the award of the bids for the various types and sizes of polemount and padmount transformers for the Electric Utility Department be made to the bidders whose proposal and equipment meet City of Lodi specifications and whose transformers are expected to yield the lowest overall life-cycle costs, listed as follows:

Polemounts:	15 ea 25kVA	GE Supply Co, North Highlands	\$ 9,261.11
Padmounts:	2 ea 112.5 kVA	Wesco Distribution, San Leandro	\$ 8,229.95
	4 ea 150kVA	Wesco Distribution, San Leandro	\$16,696.94
	3 ea 300kVA	Western States Electric, Portland, OR	<u>\$18,331.51</u>
			\$52,519.51

NOW, THEREFORE, BE IT RESOLVED by the Lodi City Council that the award of the bids for the purchase of polemount and padmount transformers for the Electric Utility Department be and the same is hereby awarded to the lowest responsible bidders, as listed above, in the total amount of \$52,519.51.

Dated: December 15, 2004

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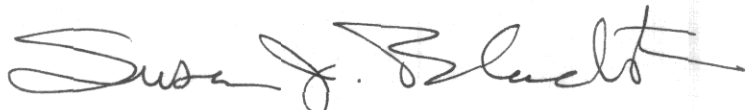
I hereby certify that Resolution No. 2004-273 was passed and adopted by the City Council of the City of Lodi in a regular meeting held December 15, 2004, by the following vote:

AYES: COUNCIL MEMBERS – Hansen, Hitchcock, Johnson, Mounce, and Mayor Beckman

NOES: COUNCIL MEMBERS – None

ABSENT: COUNCIL MEMBERS – None

ABSTAIN: COUNCIL MEMBERS – None



SUSAN J. BLACKSTON  
City Clerk

**Transformer Bid Evaluation**

**Bid Opening:** November 24, 2004

**Polemount**

November 24, 2004

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**Bid Item 2: 37.5kVA, 120/240 Volt, Single Phase Conventional Pole**

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**Transformer Bid Evaluation**

**Bid Opening:** November 24, 2004

**Padmount**

November 24, 2004

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No Load Loss \$/watt: 3.75  
Load Loss \$/watt: 1.25

**Primary Winding:** 12,000 Volt, Delta Connected

**Bid Item 1: 112.5 kVA, 208Y/120 Volt, Three Phase Pad**

Number of units: 2 65 >2.0

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Western States Electric, Inc.	4,149.00	8,298.00	<b>8,941.10</b>	251	946	1,882.50	2,365.00	4,247.50	<b>13,188.60</b>	11-13	50	3.950
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Central Moloney, Inc. (c/o Stephens, Mc...	7,014.00	14,028.00	<b>15,115.17</b>	170	1248	1,275.00	3,120.00	4,395.00	<b>19,510.17</b>	16	65	2.110

**Bid Item 2: 150 kVA, 208Y/120 Volt, Three Phase Pad,**

Number of units: 4 65 >2.0

Vendor	Unit Price \$	Extended Price \$	Price w/tax \$	No Load Loss (watts)	Load Loss (watts)	No Load Loss value	Load Loss value	Cost of Losses \$	Life Cycle Cost \$	Delivery (weeks)	Height (inches)	Impedance %
<b>WESCO Distribution</b>	3,874.00	15,496.00	<b>16,696.94</b>	289	1500	4,335.00	7,500.00	11,835.00	<b>28,531.94</b>	12-14	48	3.650
Howard Industries, Inc.	3,992.00	15,968.00	<b>17,205.52</b>	256	1629	3,840.00	8,145.00	11,985.00	<b>29,190.52</b>	7-9	49	2.300
Western States Electric, Inc.	4,383.00	17,532.00	<b>18,890.73</b>	325	1205	4,875.00	6,025.00	10,900.00	<b>29,790.73</b>	11-13	50	3.130
General Pacific Inc.	4,624.23	18,496.92	<b>19,930.43</b>	324	1223	4,860.00	6,115.00	10,975.00	<b>30,905.43</b>	12-14	49	3.500
G E Supply	4,569.00	18,276.00	<b>19,692.39</b>	287	1398	4,305.00	6,990.00	11,295.00	<b>30,987.39</b>	15	51	3.410
Central Moloney, Inc. (c/o Stephens, Mc...	7,077.00	28,308.00	<b>30,501.87</b>	252	1527	3,780.00	7,635.00	11,415.00	<b>41,916.87</b>	16	65	2.020

**Transformer Bid Evaluation**

**Bid Opening:** November 24, 2004

**Padmount**

November 24, 2004

Tax (factor): 1.0775  
 No Load Loss \$/watt: 3.75  
 Load Loss \$/watt: 1.25

**Primary Winding:** 12,000 Volt, Delta Connected

**Bid Item 3: 300 kVA, 208/120 Volt, Three Phase Pad,**

Number of units: 3 65 >3.5

Vendor	Unit Price \$	Extended Price \$	Price w/tax \$	No Load Loss (watts)	Load Loss (watts)	No Load Loss value	Load Loss value	Cost of Losses \$	Life Cycle Cost \$	Delivery (weeks)	Height (inches)	Impedance %
<b>Western States Electric, Inc.</b>	5,671.00	17,013.00	<b>18,331.51</b>	537	2111	6,041.25	7,916.25	13,957.50	<b>32,289.01</b>	11-13	50	4.190
Howard Industries, Inc.	5,792.00	17,376.00	<b>18,722.64</b>	530	2157	5,962.50	8,088.75	14,051.25	<b>32,773.89</b>	7-9	55	3.800
WESCO Distribution	5,248.00	15,744.00	<b>16,964.16</b>	475	3067	5,343.75	11,501.25	16,845.00	<b>33,809.16</b>	12-14	44	4.390
General Pacific Inc.	6,294.83	18,884.49	<b>20,348.04</b>	522	2187	5,872.50	8,201.25	14,073.75	<b>34,421.79</b>	12-14	49	4.100
G E Supply	6,206.00	18,618.00	<b>20,060.90</b>	610	2831	6,862.50	10,616.25	17,478.75	<b>37,539.65</b>	15	55	3.640
Central Moloney, Inc. (c/o Stephens, Mc...	8,328.00	24,984.00	<b>26,920.26</b>	320	3930	3,600.00	14,737.50	18,337.50	<b>45,257.76</b>	16	59	3.500